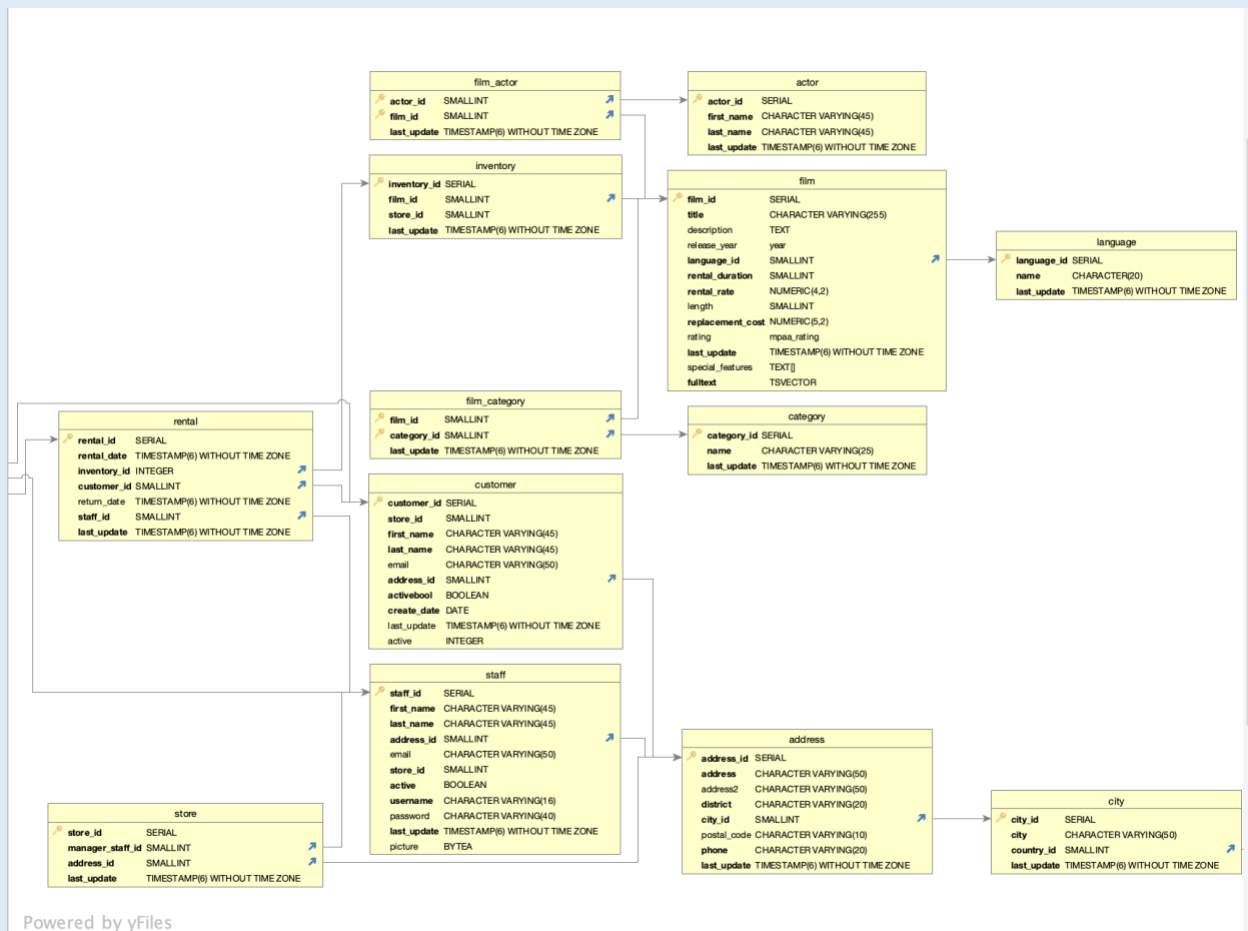# Data Dictionary

Rockbuster By AdventureWorks

Hillel Krief

Data Analysis Project

Schema

Powered by yFiles

Fact Table
rental

Column	Data Type	Connects to	Description
Rental_ID	SERIAL	payment	ID for rental
Rental_date	Timestamp (6) without timezone		Date rented
Inventory_ID	SMALLINT	rental	ID for item
Customer_ID	SMALLINT		ID for customer
Return_Date	Timestamp (6) without timezone		Date of return
Staff_ID	SMALLINT		ID of staff person
Last_Update	Timestamp (6) without timezone		Date that data was last updated

Film Actor

Column	Data Type	Description
Actor_ID	SMALLINT	Number given to actor
Film_ID	SMALLINT	Number given to film
Last_Update	Timestamp (6) without timezone	Date that data was last updated

Inventory

Column	Data Type		Description
Inventory_ID	SERIAL	rental	Number given to item
Film_ID	SMALLINT	film	Number given to item
Store_ID	SMALLINT		Number given to item
Last_update	Timestamp (6) without timezone		Date that data was last updated

Film Category

Column	Data Type	Description
Film_ID	SMALLINT	Number given to film
Category_id	SMALLINT	number given to category
Last_update	Timestamp (6) without timezone	date that the data was last updated

Customer

Column	Data Type	Connects to	Description
Customer_ID	SERIAL		Number given to customer
Store_ID	SMALLINT		Number given to store
First_name	CHARACTERVARYING(45)		First Name of customer
Last_name	CHARACTERVARYING(45)		Last Name of customer
Email	CHARACTERVARYING(50)		Email of customer
Address_ID	SMALLINT	address	Address of customer
Activebool	BOOLEAN		Is the customer active?
Create_date	DATE		Date data was created

Last_update	Timestamp (6) without timezone		date that the data was last updated
active	integer		Is the customer active?

Staff

Column	Data Type	Description
Staff_ID	SERIAL	Number given to staff person
First_name	CHARACTERVARYING(45)	Name
Last_name	CHARACTERVARYING(45)	Name
Address_ID	SMALLINT	Address of customer
Email	CHARACTERVARYING(50)	Email of customer
Store_ID	SMALLINT	ID of store
Active	BOOLEAN	Is customer active?
Username	CHARACTERVARYING(16)	Username
Password	CHARACTERVARYING(40)	password
Last_update	Timestamp (6) without timezone	date that the data was last updated
picture	BYTEA	Pic of staff

Actor

Column	Data Type	Description
Actor_ID	SERIAL	Number given to actor
First_name	CHARACTERVARYING(45)	Name
Last_name	CHARACTERVARYING(45)	Name
Last_update	Timestamp (6) without timezone	date that the data was last updated

film

Column	Data Type	Connects to	Description
Film_ID	SERIAL	inventory	Film number
Title	CHARACTERVARYING(255)		Film title
Description	TEXT		Film description
Release+year	Year		Film release year
Language_ID	SMALLINT		Film language
Rental_duration	SMALLINT		Duration of rental
Rental_date	NUMERIC(4,2)		Date of rental
Length	SMALLINT		Length of film
Replacement_cost	NUMERIC(5,2)		Cost to replace film
Rating	Mpaa_rating		Film rating
Last_update	Timestamp (6) without timezone		date that the data was last updated
Special_features	TEXT[]		Film features
fulltext	TSVECTOR		Keywords for film

Category

Column	Data Type	Description
Category_ID	SERIAL	Category/genre number
Name	CHARACTERVARYING(25)	Name of cat/genre
Last_Update	Timestamp (6) without timezone	date that the data was last updated

Address

Column	Data Type	Connects to:	Description
Address_ID	SERIAL	customer	ID of address
Address	CHARACTERVARYING(50)		Address
Address2	CHARACTERVARYING(50)		Address supp
District	CHARACTERVARYING(20)		Name of district
City_ID	SMALLINT	city	ID of city
Postal_code	CHARACTERVARYING(10)		Zipcode
phone	CHARACTERVARYING(20)		Phone number
Last_update	Timestamp (6) without timezone		date that the data was last updated

language

Column	Data Type	Description
Language_ID	SERIAL	ID for Language
Name	CHARACTER(20)	Name of language
Last_update	Timestamp (6) without timezone	date that the data was last updated

City

Column	Data Type	Connects to:	Description
City_ID	SERIAL	address	ID for CITY
City	CHARACTERVARYING(50)		Name of city
Country_ID	SMALLINT	country	ID of country
Last_update	Timestamp (6) without timezone		date that the data was last updated

Country

Column	Data Type	Connects to	Description
Country_ID	SERIAL	city	ID of country
Country	CHARACTERVARYING(50)		Name of country

Last_Updatte	Timestamp (6) without timezone		date that the data was last updated

Step 4

1. The actor table shows us details about each actor, using that, film, and inventory.
2. Language, and inventory

PAYMENT

Column Name	Data Type	Description	Links From	Link To	Key
payment_id	integer	Unique number assigned to transaction			Primary Key
customer_id	smallint	Unique number assigned to customer account		Customer	Foreign Key
staff_id	smallint	Unique number assigned to employee on transaction		Staff	Foreign Key
rental_id	integer	Unique number assigned to rental		Rental	Foreign Key
amount	numeric	Total amount of transaction			
payment_date	timestamp without time zone	Date that transaction was made			